

Application No.: 10/754,410

CLAIM AMENDMENTS

1. (Original) An electronic junction comprising:

a first conductive component, said first conductive component comprising:

a substrate having a contact surface; and

a monolayer of plurality of substantially parallel molecular units having first and second ends, and attached through their first ends to said contact surface through a conjugated bond; and

a second conductive component in electrical contact with said second ends of said substantially parallel molecular units.

2. (Original) An electronic junction according to claim 1 wherein said first conductive component comprises electrically conductive carbon.

3. (Currently amended) An electronic junction according to claim 1, each said substantially parallel molecular unit having a length, wherein said substantially parallel

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